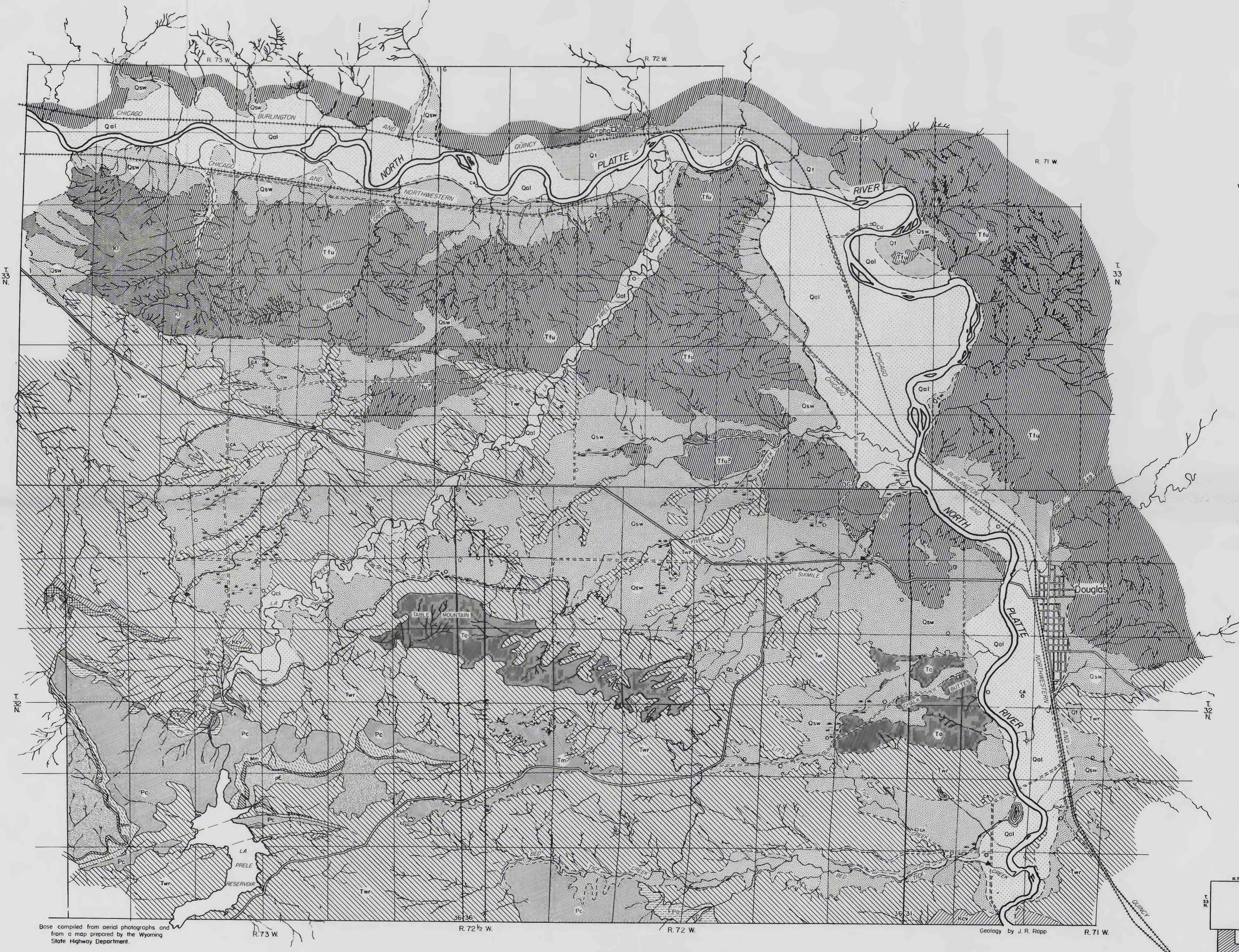
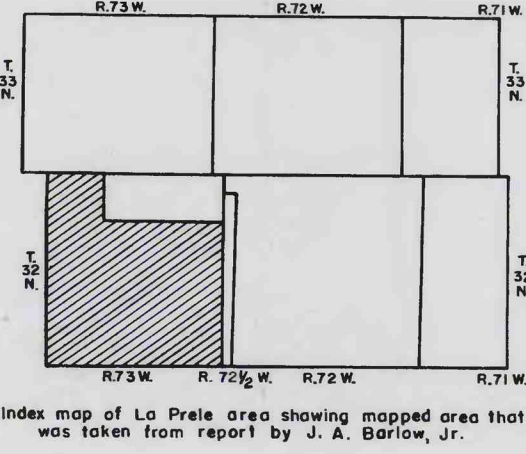


EXPLANATION



MAP OF THE LA PRELE AREA, WYOMING, SHOWING AREAL GEOLOGY AND LOCATION OF WELLS AND SPRINGS



Recent	Qsw	Slope wash (Clay, silt, sand, and gravel. Yields water to a few domestic and stock wells.)	QUATERNARY
Pleistocene	Qal	Alluvium (Sand and gravel containing beds and lenses of silt and clay, and cobbles and boulders. Yields water to a few domestic and stock wells.)	
	Qt	Terrace deposits (Sand, gravel, cobbles, and boulders. Serve as localized infiltration areas for recharge from precipitation.)	
	Tm?	Upper Miocene(?) deposits (Poorly consolidated deposits of gravel, sand, silt, and clay. Serve as localized infiltration areas for recharge from precipitation.)	
Miocene	Ta	Arikaree sandstone (Upper unit consists of massive sandstone that yields a small amount of water to one well in the area. Lower conglomeratic unit does not yield water to wells; however, several springs issue from along its base.)	TERTIARY
Oligocene	Twr	White River formation (Siltstone containing varying amounts of clay and channels and lenses of sandstone and conglomerate. Yields small quantities of water to domestic and stock wells.)	
Eocene	Tfu	Fort Union formation (Thick sequence of beds of sandstone and shale. Yields small quantities of water to domestic and stock wells.)	
Upper Cretaceous	Lf	Lance formation (Thick sequence of beds of poorly consolidated sandstone and sandy clay. Yields no water to wells in the area.)	CRETACEOUS
Lower Cretaceous	Kcv	Cloverly formation (Consists of an upper and a lower sandstone unit separated by a middle shale unit. Yields water under artesian pressure.)	
	Jm	Morrison formation (Sequence of beds of variegated shale and sandstone. Not considered a good source for ground water.)	JURASSIC
	Md	Sundance formation (Consists of beds of sandstone and variegated shale. Sandstone probably would yield small amounts of water to wells.)	
	Pm	Chugwater formation (Red siltstone containing red shale and red fine-grained silty sandstone. Ground-water possibilities not known.)	TRIASSIC
	Pm	Minnekahta limestone (Purplish-gray to pink thin-bedded limestone containing a few thin beds of shale. Ground-water possibilities not known.)	PERMIAN
	Po	Opache formation (Red sandy shale and siltstone containing a few thin beds of reddish sandstone. Ground-water possibilities not known.)	
Pennsylvanian	Pc	Casper formation (Pink to gray sandstone, limestone, dolomitic limestone, and shale. Yields water to springs.)	CARBONIFEROUS
Mississippian	Mm	Madison limestone (Consists of limestone, dolomite, dolomitic limestone, sandstone, and shale. Ground-water possibilities not known.)	
	Ed	Deadwood formation (Gray to brownish resistant sandstone containing a few thin beds of shale and having a basal conglomerate. Ground-water possibilities not known.)	CAMBRIAN
	pC	Pre-Cambrian (Igneous and metamorphic rocks. Ground-water possibilities not known.)	PRE-CAMBRIAN